

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT102725\
 Data File : VT019190.D
 Acq On : 27 Oct 2025 14:48
 Operator : SY/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/30/2025
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 28 05:53:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\624T102225W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 24 06:05:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.031	128	26617m	30.000	ug/l	-0.05
28) 1,4-Difluorobenzene	8.535	114	163997	30.000	ug/l	-0.04
57) Chlorobenzene-d5	11.714	117	136591	30.000	ug/l	-0.04
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.924	65	69548	29.824	ug/l	-0.05
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.400%		
60) 4-Bromofluorobenzene	12.848	95	63378	29.523	ug/l	-0.04
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.400%		
63) Toluene-d8	10.215	98	198275	29.824	ug/l	-0.04
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.866	85	12782	17.498	ug/l	96
3) Chloromethane	2.089	50	25817m	15.397	ug/l	
4) Vinyl Chloride	2.183	62	26405	14.091	ug/l	97
5) Bromomethane	2.524	94	26519	17.040	ug/l	86
6) Chloroethane	2.665	64	22797	13.794	ug/l	93
7) Trichlorofluoromethane	2.965	101	44013	14.483	ug/l	98
8) Diethyl Ether	3.329	74	27449	14.670	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.652	101	23261	19.495	ug/l	98
10) 1,1-Dichloroethene	3.629	96	23907	20.001	ug/l	91
11) Methyl Iodide	3.834	142	18897	16.224	ug/l #	9
12) Methyl Acetate	4.181	43	85735	18.139	ug/l	100
13) Acrolein	3.505	56	12514	78.502	ug/l	99
14) Acrylonitrile	4.798	53	120510m	82.719	ug/l	
15) Acetone	3.705	58	44148	85.054	ug/l	93
16) Carbon Disulfide	3.923	76	33691	15.092	ug/l	99
17) Allyl chloride	4.175	41	50135	17.645	ug/l	94
18) Methylene Chloride	4.387	84	30306	17.000	ug/l	98
19) trans-1,2-Dichloroethene	6.637	96	31588m	17.177	ug/l	
20) Diisopropyl ether	5.756	45	122894m	16.991	ug/l	
21) 1,1-Dichloroethane	5.650	63	55660	16.469	ug/l	97
22) cis-1,2-Dichloroethene	6.637	96	31129	16.927	ug/l	94
23) tert-Butyl Alcohol	4.622	59	53022	83.072	ug/l #	100
24) Methyl tert-Butyl Ether	4.863	73	120925	16.837	ug/l	97
25) Chloroform	7.213	83	53282m	17.235	ug/l	
26) Cyclohexane	7.518	56	31653m	15.960	ug/l	
29) 1,1-Dichloropropene	7.671	75	29097	16.956	ug/l	96
30) 2-Butanone	6.649	43	172898	81.740	ug/l	99
31) 2,2-Dichloropropane	6.637	77	44175m	17.582	ug/l	
32) 1,1,1-Trichloroethane	7.424	97	38102m	17.623	ug/l	
33) Carbon Tetrachloride	7.654	117	25222m	18.208	ug/l	
34) Benzene	7.936	78	108131	17.008	ug/l #	80
35) Methacrylonitrile	7.001	41	32879	18.262	ug/l	93
36) 1,2-Dichloroethane	8.024	62	40958	17.378	ug/l	99
37) Trichloroethene	8.805	130	20405	17.446	ug/l	98
38) Methylcyclohexane	9.075	83	29614	17.137	ug/l	96
39) 1,2-Dichloropropane	9.122	63	28852	17.327	ug/l	94
40) Dibromomethane	9.216	93	17551	17.095	ug/l #	73
41) Bromodichloromethane	10.750	83	23293m	17.662	ug/l	
42) Vinyl Acetate	5.697	43	437079	84.222	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.749	43	62616	18.008	ug/l #	84
44) Isopropyl Acetate	8.077	43	94180	17.210	ug/l	98
45) 1,4-Dioxane	9.216	88	18044	380.072	ug/l #	78
46) Methyl methacrylate	9.216	41	42138	17.221	ug/l	84
47) n-amyl Acetate	12.460	43	63306	17.191	ug/l	100
48) t-1,3-Dichloropropene	10.544	75	42950	17.949	ug/l	98
49) cis-1,3-Dichloropropene	9.927	75	44121	17.552	ug/l	98
50) 1,1,2-Trichloroethane	10.750	97	26573m	17.597	ug/l	
51) Ethyl methacrylate	10.597	69	50835	17.963	ug/l	95
52) 1,3-Dichloropropane	10.915	76	46994	17.424	ug/l	100
53) Dibromochloromethane	11.138	129	26199	18.599	ug/l #	1
54) 1,2-Dibromoethane	11.255	107	24371	17.352	ug/l	99
55) 2-Chloroethyl vinyl ether	9.769	63	68324	82.778	ug/l	98
56) Bromoform	12.536	173	17856	19.282	ug/l #	18
58) 4-Methyl-2-Pentanone	10.092	43	279402	83.527	ug/l	99
59) 2-Hexanone	10.092	43	279402	83.527	ug/l #	82
61) Tetrachloroethene	10.826	164	15338	17.765	ug/l	97
62) Toluene	10.286	91	106515	17.410	ug/l	99
64) Chlorobenzene	11.743	112	64582	17.282	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.825	131	21884	17.978	ug/l	92
66) Ethyl Benzene	11.831	91	115209	17.327	ug/l	97
67) m/p-Xylenes	11.954	106	85862	34.738	ug/l	96
68) o-Xylene	12.331	106	43675	17.119	ug/l	94
69) Styrene	12.342	104	77917	17.011	ug/l	96
70) Isopropylbenzene	12.671	105	108853	17.395	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.959	83	43545	17.735	ug/l	98
72) 1,2,3-Trichloropropane	13.018	75	41339m	22.809	ug/l	
73) Bromobenzene	12.989	156	25723	17.480	ug/l	62
74) n-propylbenzene	13.059	91	132267	17.528	ug/l	99
75) 2-Chlorotoluene	13.271	91	81908	17.731	ug/l	98
76) 1,3,5-Trimethylbenzene	13.218	105	92250	17.968	ug/l	98
77) t-1,4-Dichloro-2-butene	12.730	75	16610	18.861	ug/l	85
78) 4-Chlorotoluene	13.153	91	80784	17.728	ug/l	96
79) tert-butylbenzene	13.517	119	81179m	17.804	ug/l	
80) 1,2,4-Trimethylbenzene	13.570	105	93593	17.473	ug/l	98
81) sec-Butylbenzene	13.723	105	114689	17.456	ug/l	99
82) p-Isopropyltoluene	13.852	119	95976	17.559	ug/l	97
83) 1,3-Dichlorobenzene	13.852	146	52235	18.100	ug/l	98
84) 1,4-Dichlorobenzene	13.940	146	51250	17.638	ug/l	99
85) n-Butylbenzene	14.222	91	86543	17.300	ug/l	98
86) Hexachloroethane	14.528	117	15068	20.571	ug/l #	1
87) 1,2-Dichlorobenzene	14.275	146	52053	18.055	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.975	75	9715	18.009	ug/l	98
89) 1,2,4-Trichlorobenzene	15.756	180	31012	17.670	ug/l	96
90) Hexachlorobutadiene	15.879	225	10523	18.083	ug/l	82
91) Naphthalene	16.050	128	114401	16.864	ug/l	98
92) 1,2,3-Trichlorobenzene	16.285	180	31431	17.742	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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